

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 25, 2005, 07:28:05 / Search time 0.001 Seconds
(Without alignments)
47.064 Million cell updates/sec

Title: US-09-997-641-387
Perfect score: 1102
Sequence: 1 MLWLFLVTAIAHAEALCQPG.....ENGIPSDPLDMKGGILMMP5 212

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1 segs, 222 residues

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : aab88580.genesqp2001s.ig.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|------------|------------------|
| 1 | 1073 | 97.4 | 222 | 1 aab88580 | TOIG of: aab8858 |

ALIGNMENTS

RESULT 1
aab88580
TOIG of: aab88580 check: 7328 from: 1 to: 222

ID AAB88580 standard, protein, 222 AA.

AC AAB88580;

DT 04-JUN-2001 (first entry)

DE Human hydrophobic domain containing protein clone HP10720 #64.

KW Human; hydrophobic domain; immunosuppressant; anti-HIV; neuroprotective;

KW antianaemic; vulnary; antitumor; osteoprotective; anti-inflammatory;

KW cytostatic; gene therapy; autoimmune disorder; multiple sclerosis;

KW HIV infection; anaemia; burn; ulcer; osteoporosis; tumour; wound healing;

KW inflammatory bowel disease; nutritional supplement; appetite; vaccine;

OS Homo sapiens.

PN WO200112660-A2.

PD 22-FEB-2001.

PF 10-AUG-2000; 2000WO-JP005356.

PR 17-AUG-1999; 99JP-00230344.
PR 07-SEP-1999; 99JP-00252551.
PR 01-OCT-1999; 99JP-00281132.
PR 22-OCT-1999; 99JP-00301624.
PR 04-NOV-1999; 99JP-00313877.
PA (SAGA) SAGAMI CHEM RES CENT.
PA (PROT-) PROTEGENE INC.
PI Kato S, Kimura T;
XX WPI; 2001-160059/16.
DR N-PSDB; AAF94460.
XX Human proteins with hydrophobic domains and the DNAs which encode them are useful for treating autoimmune disorders, burns and tumors and for screening novel pharmaceuticals.
PT Claim 1; Page 354-355; 518pp; English.

CC AAF94417 to AAF94516 encode the human proteins given in AAB88557 to AAB88606 (I) which have a hydrophobic domain. (I) have immunosuppressant, anti-HIV, neuroprotective, antianaemic, vulnary, antitumor, osteoprotective, anti-inflammatory and cytostatic activities, and can be used in gene therapy. (I) can be used as pharmaceuticals and as antigens to prepare antibodies. DNA and cDNA (II) encoding (I) can be used as probes for genetic diagnosis and gene sources for gene therapy or for producing (I) in large quantities. Cells containing (II) are used for the detection of ligands or receptors corresponding to membrane or secretory proteins and to screen small molecule novel pharmaceuticals. Antibodies directed to (I) can be used for the detection, quantification and purification of (I). Activities of (I) may include cytokine and cell proliferation/differentiation function, immune stimulating or suppressing activity, haematopoiesis regulating activity, tissue growth activity, activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic and thrombolytic activity, receptor/ligand activity and anti-inflammatory activity. (I) and (II) can be used to treat autoimmune disorders e.g. multiple sclerosis, HIV infections, anaemia, burns, ulcers, osteoporosis, inflammatory bowel disease and tumours. (I) and (II) can also be used for wound healing, as nutritional sources or supplements e.g. as amino acid, carbon or nitrogen source, to effect metabolism, catabolism, anabolism, processing and utilisation of dietary fat, protein, carbohydrate, vitamins and minerals, to effect behavioural characteristics, to affect appetite, and can act as antigens in vaccines to raise an immune response to the protein or another material cross-reactive with the protein

CC SQ Sequence 222 AA;

AB88580 Length: 222 August 24, 2005 15:14 Type: P Check: 7328 ..
aab88580

Query Match 97.4%; Score 1073; DB 1; Length 222;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLWLFLVTAIAHAEALCQPGAENAFKRLSIRALGDKAYAMPDNEEYFKAVAFSMRK 60

DB 1 MLWLFLVTAIAHAEALCQPGAENAFKRLSIRALGDKAYAMPDNEEYFKAVAFSMRK 60

QY 61 VPRREATEISHVLVCNVTQVSFVFVTPDSKNHTLPAVEVQSAIMNKRRINNAFFLND 120

DB 61 VPRREATEISHVLVCNVTQVSFVFVTPDSKNHTLPAVEVQSAIMNKRRINNAFFLND 120

QY 121 QTLFELKIPSTLAPMPDSVPVWIIIFGVFCILIIYALALLISGIVQRRKKPSEVD 180

DB 121 QTLFELKIPSTLAPMPDSVPVWIIIFGVFCILIIYALALLISGIVQRRKKPSEVD 180

QY 181 DAEDKCEMMITTENGIPSDPLDMKGG 206

DB 181 DAEDKCEMMITTENGIPSDPLDMKGG 206

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us09997641-387.align2

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Job time : 0.001 secs
